

PAT-NO: JP407268323A  
DOCUMENT-IDENTIFIER: JP 07268323 A  
TITLE: ANTIOXIDATION PREPARATION  
PUBN-DATE: October 17, 1995

INVENTOR-INFORMATION:

NAME  
MINOSHIMA, RYOICHI  
HASEGAWA, KIYOSHI

ASSIGNEE-INFORMATION:

NAME	COUNTRY
NISSHIN OIL MILLS LTD:THE	N/A

APPL-NO: JP06087945  
APPL-DATE: April 1, 1994

INT-CL (IPC): C09K015/18

ABSTRACT:

PURPOSE: To provide an antioxidation preparation consisting of a composition composed of a specific polyamine and an oil and fat, capable of keeping the stability and antioxidation effect over a long period and useful e.g. for preventing the deterioration of the quality of feeds, foods, etc., especially those containing a highly unsaturated fatty acid.

CONSTITUTION: This antioxidation preparation is an oil and fat composition containing (A) one or more substances selected from spermine, spermidine and putrescine and (B) an oil and fat (preferably soybean oil, rapeseed oil, corn oil or medium-chain fatty acid triglyceride). The amount of the component A is preferably 0.01-70wt.%, especially 2-10wt.% based on the total oil

and fat composition. The content of spermidine is preferably  $\geq 30$ wt.% and the sum of spermine and spermidine is preferably  $\geq 50$ wt.%. The composition is preferably further incorporated with tocopherol and/or an L-ascorbic acid fatty acid ester. An emulsified composition produced by emulsifying the above composition as the oil phase and ascorbic acid, etc., as the water phase is also useful as an antioxidation preparation.

COPYRIGHT: (C)1995,JPO